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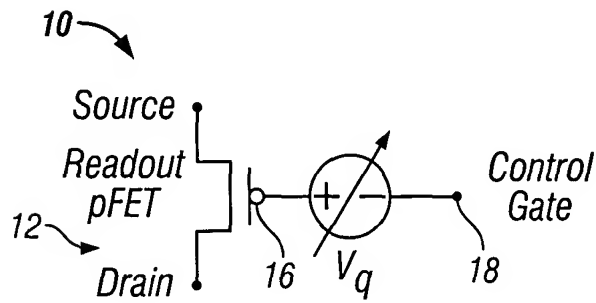


FIG. 1

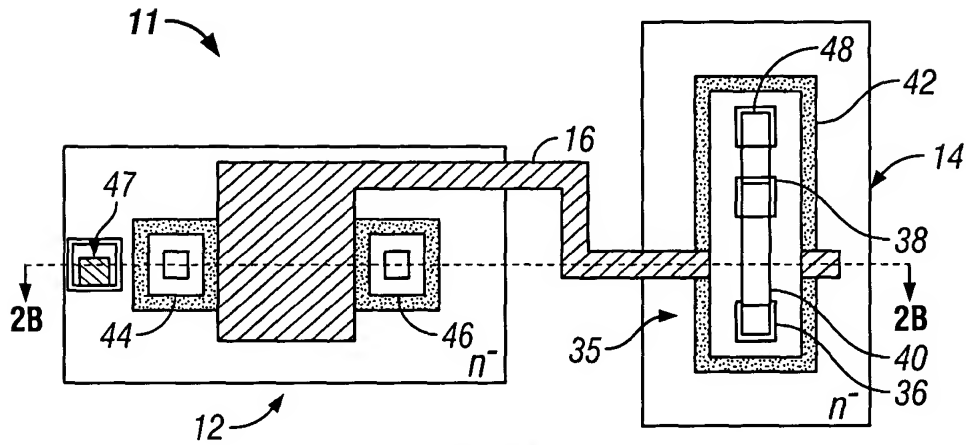


FIG. 2A

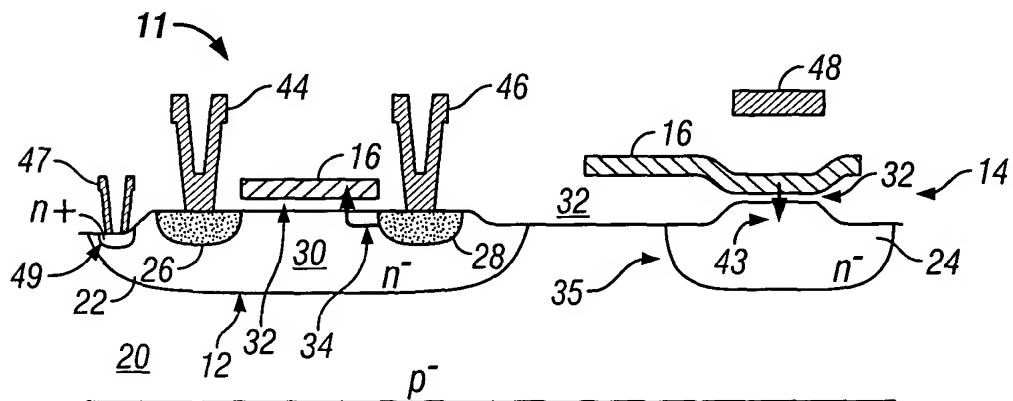


FIG. 2B

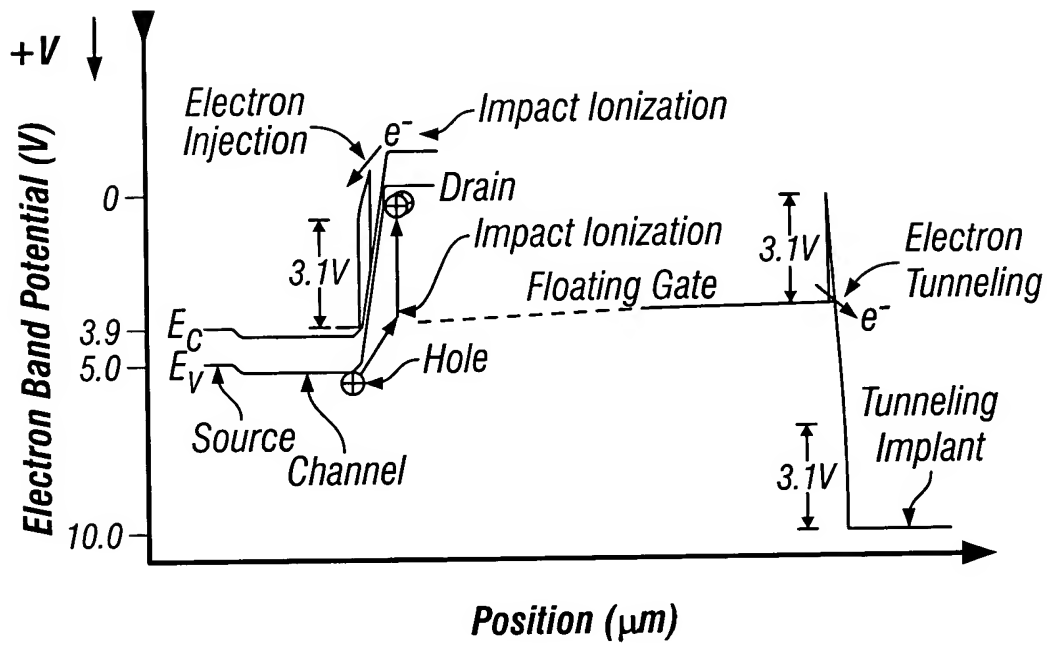


FIG. 2C

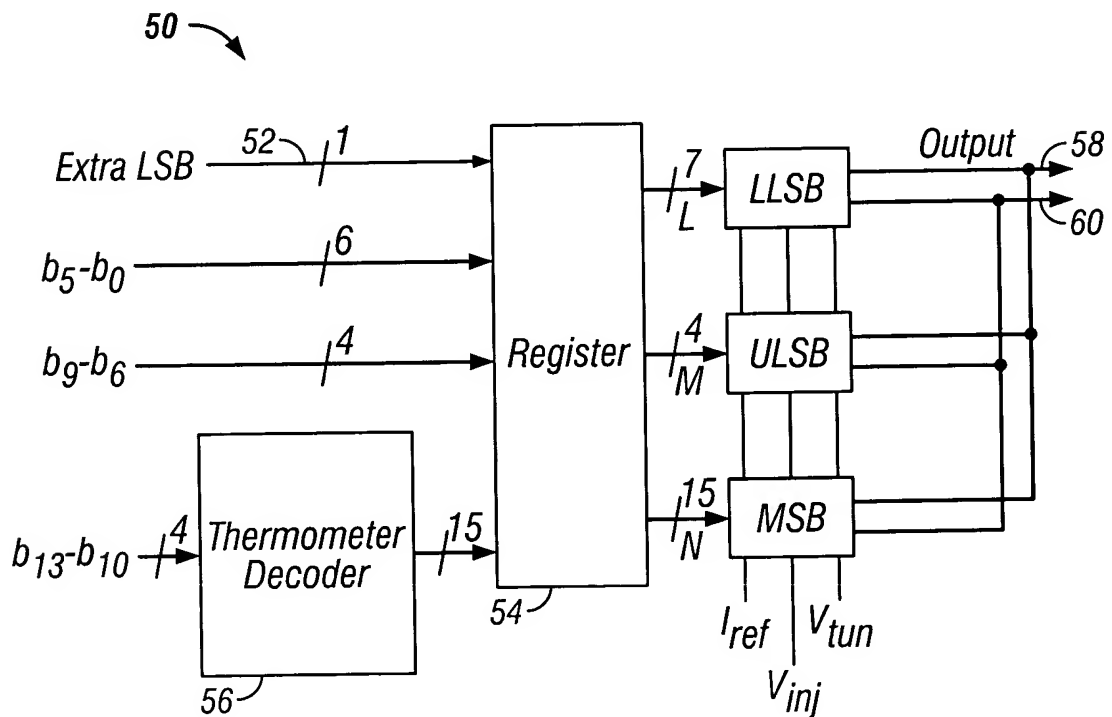


FIG. 3

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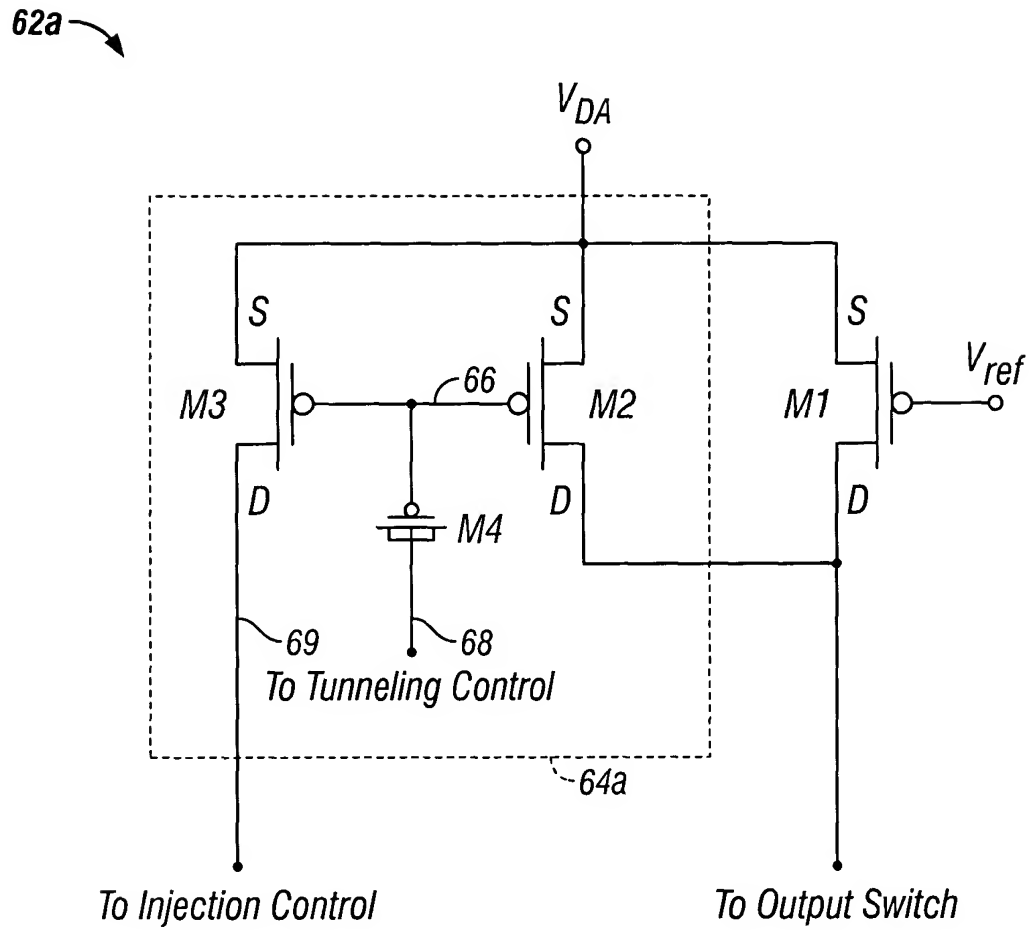


FIG. 4A

**FIG. 4B**



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Erase all trim current sources  $\nearrow 70$   
For  $i := L$  to  $L + M - 1$   $\searrow 72$   
Begin  
    Apply codeword  $2^{i-1} + \text{LSB}$   
    target := DAC output  
    Apply codeword  $2^i$   
    If output greater than target  
        Inject on global current regulator and start again  
    While output less than target  
        Inject on trim current source  $i$   
End  
  
For  $j := 1$  to  $2^{N-1}$   $\nearrow 74$   
Begin  
    Apply codeword  $2^{L+M-1} + \text{LSB} + (j-1) \cdot 2^{L+M}$   
    target := DAC output  
    Apply codeword  $j \cdot 2^{L+M}$   
    If output greater than target  
        Inject on global current regulator and start again  
    While output less than target  
        Inject on trim current source  $L + M + (j-1)$   
End

**FIG. 5**

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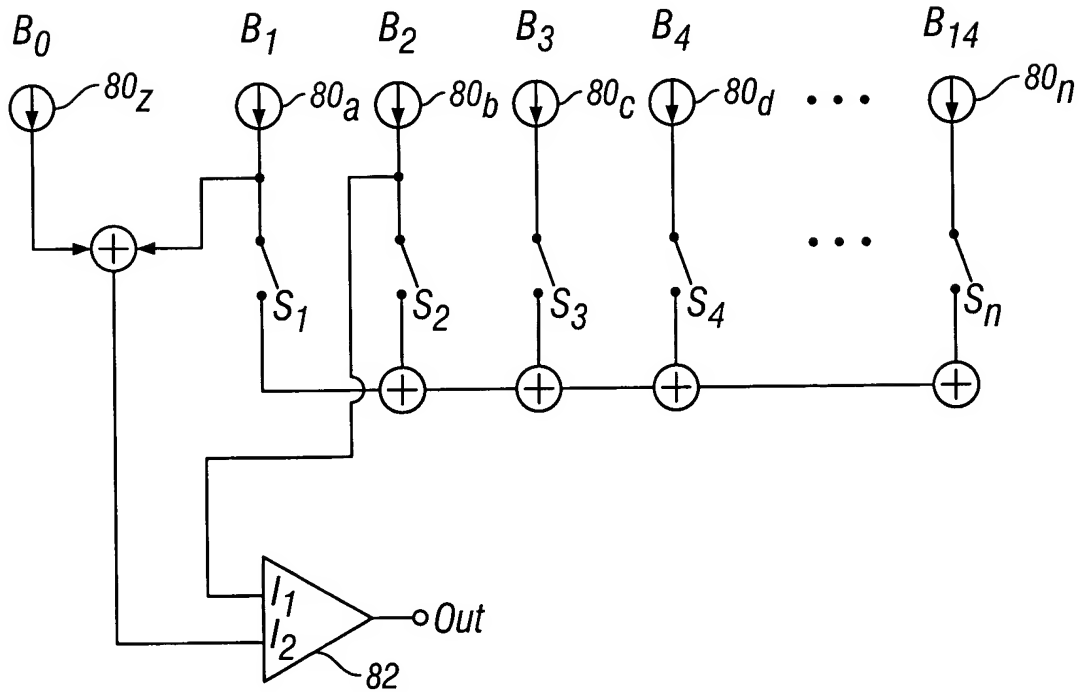


FIG. 6A

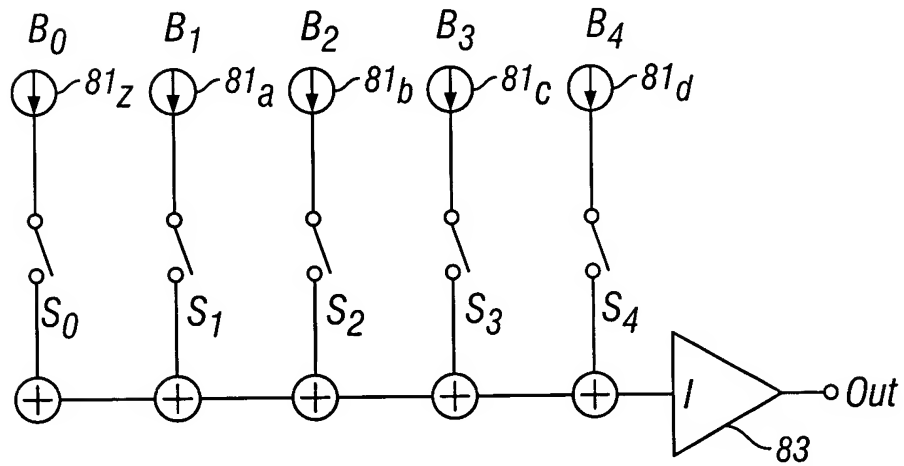


FIG. 6B

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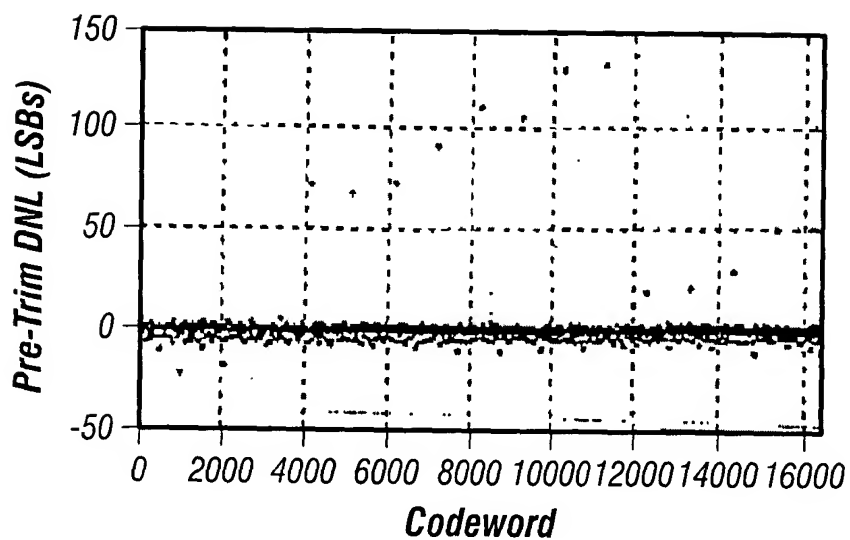


FIG. 7A

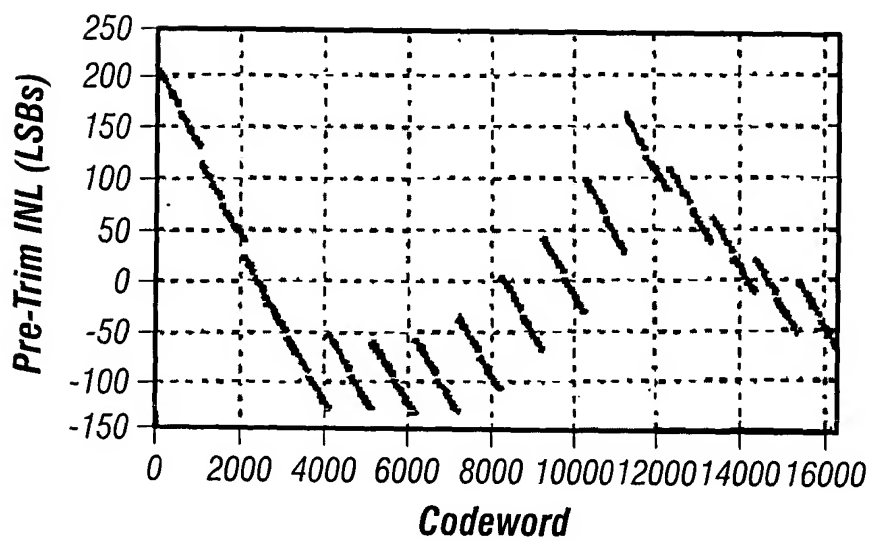
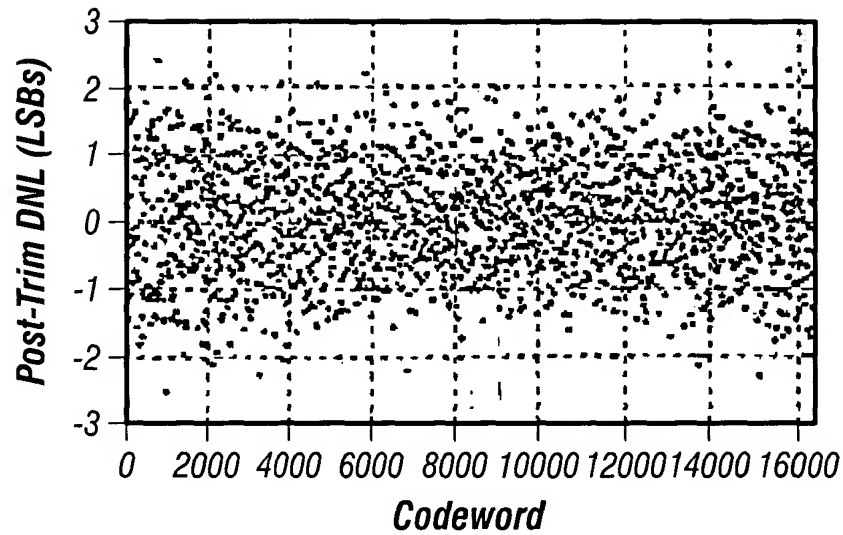


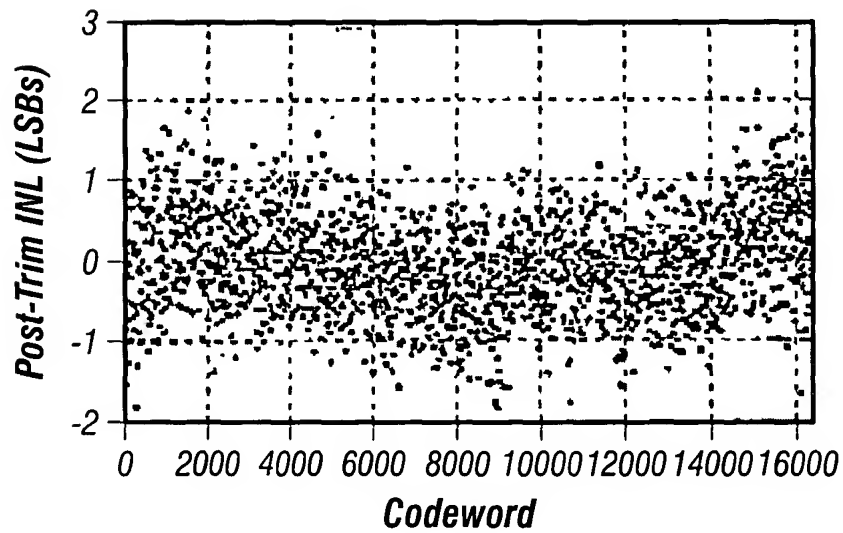
FIG. 7B



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**FIG. 7C**



**FIG. 7D**